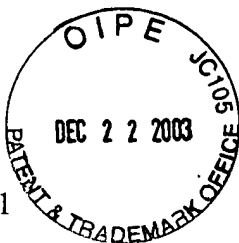


LINFIN.54CPC1



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Steven W. Brooks )  
App. No. : 10/635,426 )  
Filed : August 6, 2003 )  
For : SWITCHING REGULATOR WITH )  
TRANSIENT RECOVERY CIRCUIT )  
Examiner : Unknown )

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**ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION**  
**AND**  
**REVOCATION AND POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the inventor to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this

**App. No.** : 10/635,426  
**Filed** : August 6, 2003

application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

Microsemi Corporation

Dated: December 15, 2003

By: R. Brandi  
Ralph Brandi

Title: Executive V.P. & Chief Operating Officer

Address: 2381 Morse Avenue  
Irvine, CA 92614

SSN-2413.DOC  
080803

**SUPPLEMENTAL DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled SWITCHING REGULATOR WITH TRANSIENT RECOVERY CIRCUIT; the specification of which was filed on **December 21, 2001** as Application Serial No. **10/136,614**;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S.A. Application(s)

Application No.: **09/708,268**  
(Patent No. 6,356,063)

Filing Date: **12/21/01**

Status: **Patented**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor: **Steven W. Brooks**

Inventor's signature

Steven W. Brooks

Date

12-15-03

Residence: **382 East Lincoln Avenue, Pomona, CA 91767**

**Citizenship: United States**

**Post Office Address: 382 East Lincoln Avenue, Pomona, CA 91767**

---

**Send Correspondence To:**  
**KNOBBE, MARTENS, OLSON & BEAR, LLP**  
**Customer No. 20,995**

SSN-2406.DOC  
080703

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO THE ASSISTANT COMMISSIONER FOR PATENTS: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

2. Steven W. Brooks

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party(ies):

Name: Microsemi Corporation

Internal Address:

Street Address: 2381 Morse Avenue

City: Irvine State: California ZIP: 92614

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment  
( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

Execution Date: December 15, 2003

4. Application number(s) or Patent number(s):

( ) Application(s) filed herewith  
Execution Date(s):( ) Patent Application No.:  
Filing Date:(X) Patent No.: 6,605,931  
Issue Date: 8/12/03

Additional numbers attached? ( ) Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sharon S. Ng  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

Internal Address: Fourteenth Floor

Street Address: 2040 Main Street

City: Irvine State: CA ZIP: 92614

Attorney's Docket No.: LINFIN.054CP1

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

( ) Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Sharon S. Ng

Name of Person Signing

Signature

Date

12/19/0353,383

Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services  
Director, U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

## ASSIGNMENT

WHEREAS, I, Steven W. Brooks, a United States citizen, residing at 382 East Lincoln Avenue, Pomona, CA 91767, have invented certain new and useful improvements in a SWITCHING REGULATOR WITH TRANSIENT RECOVERY CIRCUIT for which I have filed an application for U.S. Patent No. 6,605,931 ("Letters Patent") on December 21, 2001; and the parties herein desire to confirm that I have assigned and do hereby assign any right, title, and interest in the Letters Patent;

WHEREAS, Linfinity Microelectronics Inc., a Delaware Corporation, with its principal place of business at 2381 Morse Avenue, Irvine, CA 92614, desired to acquire the entire right, title, and interest in and to the Letters Patent; and I was an employee of Linfinity Microelectronics Inc. at the time of filing the Letters Patent;

AND WHEREAS, Linfinity Microelectronics Inc. changed its corporate name to Microsemi Corp.-Integrated Products on April 19, 2002; and Microsemi Corp.-Integrated Products transferred the ownership of the Letters Patent to its parent corporation, Microsemi Corporation, a Delaware corporation, having offices at 2381 Morse Avenue, Irvine, CA 92614 (hereinafter "ASSIGNEE") on August 8, 2003:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I HEREBY also sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of any Letters Patent.

COPY

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15 day of December, 2003.

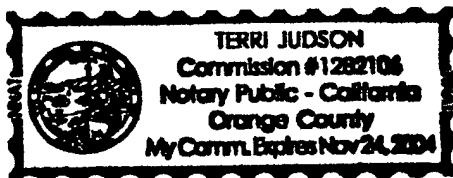
Steven W. Brooks  
Steven W. Brooks

STATE OF Calif }  
COUNTY OF Orange } ss.

On Dec 15th, 2003, before me, Terri Judson, Notary Public, personally appeared Steven W. Brooks ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in their authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Terri Judson  
Notary Signature

COPY

Application No.: 10/136,614  
Filing Date: December 21, 2001

**PATENT**  
Client Code: LINFIN.054CP1  
Page 1

### ASSIGNMENT

WHEREAS, **Linfinity Microelectronics Inc.** changed its corporate name to **Microsemi Corp.-Integrated Products** on April 19, 2002 ;

WHEREAS, **Microsemi Corp.-Integrated Products** (hereinafter "ASSIGNOR") is a Delaware corporation having offices at 2381 Morse Avenue, Irvine, CA 92614;

WHEREAS, ASSIGNOR represents and warrants that it is the sole owner of the entire right, title, and interest in and to the following United States patent application (hereinafter "the Patent Application") originally assigned to **Linfinity Microelectronics Inc.:**

<u>Application No.</u>	<u>Issue Date</u>	<u>Title</u>
10/136,614	December 21, 2001	SWITCHING REGULATOR WITH TRANSIENT RECOVERY CIRCUIT

WHEREAS, ASSIGNOR desires to transfer the ownership of the Patent Application to ASSIGNOR's parent corporation, **Microsemi Corporation**, a Delaware corporation, having offices at 2381 Morse Avenue, Irvine, CA 92614 (hereinafter "ASSIGNEE");

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the Patent Application, improvements and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for said Patent Application in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent Application to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of any Patents issuing from the Patent Application;



Application No.: 10/136,614  
Filing Date: December 21, 2001

PATENT  
Client Code: LINFIN.054CP1  
Page 2

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent Application immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving the Patent Application, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce any Letters Patents resulting from the Patent Application in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of Aug, 2003

**MICROSEMI CORP. - INTEGRATED PRODUCTS**

By: Ralph Brandi  
Ralph Brandi  
Officer of Microsemi Corp.-Integrated Products

STATE OF Calif }  
COUNTY OF Orange } ss.

On Aug 8, 2003 before me, Terrri Judson, Notary Public, personally appeared Ralph Brandi personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) ~~is~~ subscribed to the within instrument, and acknowledged to me that they executed the same in their authorized capacity(~~ies~~), and that by their signature(~~s~~) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Terrri Judson  
Notary Signature



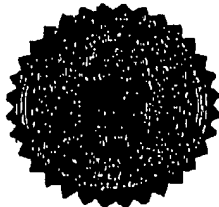
# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "LINFINITY MICROELECTRONICS INC.", CHANGING ITS NAME FROM "LINFINITY MICROELECTRONICS INC." TO "MICROSEMI CORP.-INTEGRATED PRODUCTS", FILED IN THIS OFFICE ON THE NINETEENTH DAY OF APRIL, A.D. 2002, AT 9 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

2340481 8100

020251637

AUTHENTICATION: 1792388

DATE: 04-19-02